

What is Claimed is:

- 1 1. A method for estimating noise in an integrated circuit
- 2 substrate, comprising the steps of:
 - 3 creating a model file for a technology process for fabricating the
 - 4 integrated circuit;
 - 5 estimating noise generated by a digital circuit and input/output
 - 6 circuitry to be implemented in the integrated circuit;
 - 7 generating a substrate netlist for the integrated circuit;
 - 8 determining a floorplan for the integrated circuit;
 - 9 running transient simulations with predetermined input values;
 - 10 determining if predetermined noise requirements are met in
 - 11 results of the transient simulations.